(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 16 June 2005 (16.06.2005)

PCT

(10) International Publication Number WO 2005/054692 A1

(51) International Patent Classification⁷: 37/04, 11/00, 5/01

F16B 37/12,

(21) International Application Number:

PCT/GB2004/005069

(22) International Filing Date: 3 December 2004 (03.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0328043.5

3 December 2003 (03.12.2003) GB

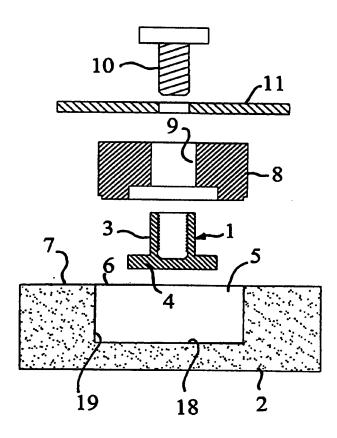
(71) Applicant and

(72) Inventor: HOY, Kevin, Douglas [GB/GB]; Fieldfares, Kings Ash, Great Missenden, Buckinghamshire HP19 9NP (GB).

- (74) Agent: COLES, Graham, Frederick; Graham Coles & Co, 24 Seeleys Road, Beaconsfield, Buckinghamshire HP9 1SZ (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: ANCHORING METHODS AND PRODUCTS OF SUCH METHODS



(57) Abstract: A fastener-fitting (1) for a bolt (10) is anchored to a mineral slab (2) by cutting a cavity (5) into the slab (2) and trapping an elongate flanged-base (4) of the fastener (1) in the cavity (5) under a plug-element (8) of the slabmineral. The flanged-base (4) fits within a conformal recess (15) in the underside (14) of the plug-element (8) to hold the fastener (1) against turning, with an internally-threaded tubular portion (3) of the fastener (1) extending through a bore (9) of the plug-element (8) for receiving the bolt (10) clamping an item (11) to the slab (2). The plug-element (8) is retained in the cavity (5) by adhesive, and has channels (20, 21) for dispersal of surplus adhesive from the cavity (5).